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(without alignments)
2972.819 Million cell updates/sec
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1 MYRPDVVRARKRVCWEPWVI.......PGVYTRVTALRDWITSKTGI
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'(cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
'(cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
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'(cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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seg length: 200000000
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                                                                                                                                                                                                                                                                                                                                               Sequence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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SUMMARIES	ID	US-10-032-189-64	US-10-332-122-3	US-09-796-753-146	US-09-946-374-269	US-10-206-915-320	US-10-199-670-320	US-10-201-858-320	US-10-205-B90-300	US-10-208-024-320	TIS-10-201-853-320	TIS-10-063-74E-306	110 10 001 143 TO	02-10-063-512-106	US-10-063-513-106	US-10-063-515-106	US-10-063-549-106	
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-56	0-063-551-10	0-174-581-3	-10-176-483-32	0-176-749-3	-10-176-914-32	6-915-32	-10-006-485A-26	-10-013-907A-26	5-4	-555-10	-10-063-563-10	-063-594-10	-10-063-553-10	-10-063-554-10	-176-484-32	-10-180-550-32	-10-183-014-32	-10-187-738-32	-10-187-740-32	-10 - 187 - 883 - 32	94-363-32	60-32	-10-194-463-32	4-484-32	-10-195-884-3	5-896-32	-10-196-744-3	-10-196-755-32	-10-196-757-32
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16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

## ALIGNMENTS

TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same FILE REFERENCE: 21402-228
CURRENT APPLICATION NUMBER: US/10/032,189
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/257,495
PRIOR FILING DATE: 2000-12-21 Sequence 64, Application US/10032189 Publication No. US2003017063011 GENERAL INFORMATION: Patturajan, Meera Grosse, William M Lepley, Denise M Burgess, Catherine E Shimkets, Richard A Grosse, William M Szekeres, Edward S Vernet, Corine A.M. APPLICANT: Alsobrook II, John P APPLICANT: Tcherney, Velizar T APPLICANT: Liu, Xiaohong APPLICANT: Spytek, Kimberly A APPLICANT: Zerhusen, Bryan D Rieger, Daniel K Edinger, Shlomit R Gunther, Erik Millet, Isabelle Sciore, Paul Ellerman, Karen MacDougall, John R Smithson, Glennda Li, Li Casman, Stacie J Boldog, Ferenc L Gorman, Linda Gangolli, Esha A Fernandes, Elma R APPLICANT: APPLICANT: APPLICANT: APPLICANT:
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DKLYABEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL 120
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Fublication No. U020030027998A1

GENERAL INFORMATION:
APPLICANT: MCCALLLY, Sean A.
TILLE REFERENCE: 7853-227-999
CURRENT FLING NOWBER: US/09/796,753

CURRENT FLING DATE: 2001-03-01

PRIOR APPLICATION NUMBER: 09/183,175

PRIOR APPLICATION NUMBER: 09/223,094

PRIOR APPLICATION NUMBER: 09/223,094

PRIOR FILING DATE: 1998-12-30

PRIOR FLING DATE: 1998-12-30

PRIOR PLING DATE: 1998-12-30

PRIOR APPLICATION NUMBER: 09/224,246

PRIOR PLING DATE: 1999-12-30

PRIOR PLING DATE: 1999-02-26

PRIOR FLING DATE: 1999-02-26

PRIOR FLING DATE: 1999-02-26

PRIOR FLING DATE: 1999-03-01

PRIOR FLING DATE: 1999-03-01
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Pred. No. 1.7e-217;
2; Mismatches 1;
                     FILE REFERENCE: Liol12 Foreign countries CURRENT APPLICATION NUMBER: US/10/332,122 CURRENT FILING DATE: 2003-01-06 PRIOR APPLICATION NUMBER: 60/218,832 PRIOR FILING DATE: 2000-07-18 NUMBER OF SEQ ID NOS: 6 SOFTWARE: Patentin version 3.1
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Best Local Similarity 99.3%;
Matches 419; Conservative
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US-10-332-122-3
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US-10-332-122-3
'Sequence 3, Application US/10332122
'Publication No. US20030171324A1
'GENERAL INFORMATION:
'APPLICANT: Bayer AG
'APPLICANT: Bull, Christof
'TITLE OF INVENTION: REGULATION OF HUMAN DESCI-LIKE SERINE PROTEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .;
0
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Pred. No. 1.7e-217;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Mismatches
PRIOR APPLICATION NUMBER: 60/269,171
PRIOR FILING DATE: 2000-12-20
PRIOR FILING DATE: 2001-02-20
PRIOR PRILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/274,192
PRIOR FILING DATE: 2001-03-08
PRIOR FILING DATE: 2001-03-08
PRIOR PRILING DATE: 2001-03-22
PRIOR PILING DATE: 2001-03-22
PRIOR PRILING DATE: 2001-03-22
PRIOR FILING DATE: 2001-03-29
PRIOR PAPLICATION NUMBER: 60/282,981
PRIOR APPLICATION NUMBER: 60/283,656
PRIOR PRIOR APPLICATION NUMBER: 60/309,247
PRIOR PRILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/311,754
PRIOR PLILING DATE: 2001-07-31
PRIOR PRILING DATE: 2001-08-17
PRIOR PRILING DATE: 2001-08-17
PRIOR PRILING DATE: 2001-08-17
PRIOR PILING DATE: 2001-08-17
PRIOR FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 260
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Best Local Similarity 99.3%;
Matches 419; Conservative
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TYPE: PRT ORGANISM: Homo sapiens

US-10-032-189-64

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361 LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSSGDECAKPNKPGVYTRVTALRDWITSKT 420
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Watenabe, Colin K.
APPLICANT: Watenabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERRORS: P2830PICI
CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
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PRIOR APPLICATION NUMBER: 60/098716

PRIOR PLING DATE: 1998-09-01

PRIOR FILING DATE: 1998-09-01

PRIOR FILING DATE: 1998-09-01

PRIOR FILING DATE: 1998-09-01

PRIOR PRING DATE: 1998-09-01

PRIOR PLING DATE: 1998-09-01

PRIOR PRING DATE: 1998-09-01

PRIOR PLING DATE: 1998-09-01

PRIOR PLING DATE: 1998-09-02

PRIOR PLING DATE: 1998-09-09

PRIOR PLING DATE: 1998-09-09
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Publication No. US20030073129A1
GENERAL INFORMATION:
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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APPLICATION NUMBER: 60/099792
FILING DATE: 1998-09-10
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Smith, Victoria
Stewart, Timothy A.
Tumas, Daniel
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Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
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Paoni, Nicholas F.
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APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
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PRIOR FILING DATE: 1999-05-14

PRIOR FILING DATE: 1999-06-19

PRIOR FILING DATE: 1999-06-19

PRIOR FILING DATE: 1999-06-29

PRIOR PILING DATE: 1999-06-29

PRIOR PILING DATE: 1999-06-30

PRIOR PILING DATE: 1999-06-30

PRIOR FILING DATE: 1999-05-30

PRIOR FILING DATE: 1999-09-20

PRIOR PILING DATE: 1999-09-20

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PRIOR PILING DATE: 1999-09-30

PRIOR FILING DATE: 1999-12-29

PRIOR FILING DATE: 1999-12-29

PRIOR FILING DATE: 1999-12-29

PRIOR PILING DATE: 2000-03-01

PRIOR PILING DATE: 2000-03-01

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Best Local Similarity 99.3'
Matches 419; Conservative
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US-09-796-753-146
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APPLICATION NUMBER: 60/101471
FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101472
FILING DATE: 1998-09-23
              TILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099812
FILING DATE: 1998-09-10
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LING DATE: 1998-00-10
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APPLICATION NUMBER: 60/101476
FILING DATE: 1998-09-23
 APPLICATION NUMBER: 60/09908
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APPLICATION NUMBER: 60/100390
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PPLICATION NUMBER: 60/100664
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PLICATION NUMBER: 60/100683
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LING DATE: 1998-09-17
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LING DATE: 1998-09-17
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PLICATION NUMBER: 60/100930
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LING DATE: 1998-09-18
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FILING DATE: 1998-09-18
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FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/101279
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FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101475
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FILING DATE: 1998-09-23
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APPLICATION NUMBER: 60/101743
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FILING DATE: 1998-09-24
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R FILING DATE: 1998-10-14
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R APPLICATION NUMBER: 60/105000
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FILING DATE: 1998-09-30
APPLICATION NUMBER: 60/102487
APPLICATION NUMBER: 60/102240
FILING DATE: 1998-09-29
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APPLICATION NUMBER: 60/102307
FILING DATE: 1998-09-29
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FILING DATE: 1998-09-30
APPLICATION NUMBER: 60/102571
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APPLICATION NUMBER: 60/103315
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APPLICATION NUMBER: 60/103395
FILING DATE: 1998-10-07
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APPLICATION NUMBER: 60/103449
FILING DATE: 1998-10-06
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APPLICATION NUMBER: 60/103678
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APPLICATION NUMBER: 60/102331
FILING DATE: 1998-09-29
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FILING DATE: 1998-10-02
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APPLICATION NUMBER: 60/103328
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FILING DATE: 1998-10-07
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APPLICATION NUMBER: 60/103679
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APPLICATION NUMBER: 60/103711
FILING DATE: 1998-10-08
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APPLICATION NUMBER: 60/105169
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FILING DATE: 1998-10-26
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APPLICATION NUMBER: 60/105807
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APPLICATION NUMBER: 60/1
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APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P34300R1C401
CURRENT APPLICATION NUMBER: 105/10/199,670
CURRENT FILING DATE: 2002-07-19
                                                                                                                                                                                                                                                           1 MYRPDVVRARKRVCWEPWVIGLVMFISLIVLAVCIGVTVHYVRYNQKKTYNYYSTLSFTT
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Pred. No. 1.7e-217;
2; Mismatches 1;
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PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-09-18
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PRIOR FILING DATE: 1997-09-18
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                                                                                                                                                                  99.4%;
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Smith, Victoria
Watanabe, Colin K.
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Godowski, Paul J. Gurney, Austin L.
                                                                                                                                                             Query Match 99.4
Best Local Similarity 99.3
Matches 419; Conservative
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       612
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                                                                      TYPE: PRT
ORGANISM: Homo Sapien
  NUMBER OF SEQ ID NOS:
SEQ ID NO 320
LENGTH: 423
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US-10-199-670-320
                                                                                                     ; OKGANISH: 110.11
US-10-206-915-320
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APPLICANT: Wacad, william I.
APPLICANT: Wacad, william I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSHEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSHEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: SECRETED AND TRANSHEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ALD SMC1513
CURRENT APPLICATION NUMBER: US/05266
PRIOR FILING DATE: 1002-01-15
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/05263
PRIOR FILING DATE: 1997-09-18
PRIOR PELING DATE: 1997-10-21
PRIOR PELING DATE: 1997-10-24
PRIOR PELING DATE: 1997-10-26
PRIOR PELING DATE: 1997-10-26
PRIOR FILING DATE: 1997-10-26
PRIOR FILING DATE: 1997-10-26
PRIOR PELING DATE: 1997-10-26
PRIOR PELING DATE: 1997-10-26
PRIOR PELING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063541
PRIOR APPLICATION NUMBER: 60/063544
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MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTYNYYSTLSFTT
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Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
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RESULT 8
US-10-205-890-320
; Sequence 320, Application US/10205890
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US-10-201-858-320
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PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR PILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR PILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-28
PRIOR PRILING DATE: 1997-10-28
PRIOR PRILING DATE: 1997-10-28
PRIOR PAPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
PRIOR PAPLICATION GATE REMOVED - See File Wrapper or SEQ ID NOS: 612
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Publication No. US20040038337A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Chen, Jian
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Smith, Victoria
Watanabe, Colin K.
Wood, William I.
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Goddard, Audrey
Godowski, Paul J.
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US-10-199-670-320
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US-10-201-858-320
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANB POLYPEPTIDES AND NUCLEIC
FILE REPREBRICE: P3430R1C464
CURRENT APPLICATION NUMBER: US/10/201,858
CURRENT PILING DATE: 2002-07-23
PRIOR APPLICATION NUMBER: 0/052586
PRIOR PILING DATE: 2002-01-15
PRIOR PLING DATE: 1997-09-18
PRIOR PLING DATE: 1997-10-17
PRIOR PLING DATE: 1997-10-24
PRIOR PLING DATE: 1997-10-28
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Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1;
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APPLICANT: ATARIQ, SERENEED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE OF INVENTION: ACIDS ENCODING THE SAME FILE SAME APPLICATION NUMBER: US/10/208,024

CURRENT PELLING DATE: 2002-07-29

PRIOR APPLICATION NUMBER: 60/059263

PRIOR PILING DATE: 1997-09-18

PRIOR PLILNG DATE: 1997-09-18

PRIOR PLILNG DATE: 1997-09-18

PRIOR PELLING DATE: 1997-10-18

PRIOR PELLING DATE: 1997-10-24

PRIOR PELLING DATE: 1997-10-28

PRIOR P
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                                                                      362 LEGKTDACQGDSGGPLVSSDARDIMYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421
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Pred. No. 1.7e-217;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 320, Application US/10208024 Publication No. US20040048335A1 GRNERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
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Smith, Victoria
Watanabe, Colin K.
Wood, William I.
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Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
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Best Local Similarity 99.3
Matches 419; Conservative
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GORGANISM: Homo Sapien
US-10-208-024-320
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GI 423
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/205,890
CURRENT FILING DATE: 2002-07-26
PRIOR APPLICATION NUMBER: 60/05263
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR PLING DATE: 1997-10-28
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Publication No. US20040048334AI
GENERAL INFORMATION;
                                                                                                                                                                                               Godowski, Paul J.
Gurney, Austin I.
Pan, James
Smith, Victoria
Watanabe, Colin K.
Wood, William I.
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Goddard, Audrey
                                                               APPLICANT: Baker, Kevin P. APPLICANT: Chen, Jian
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US-10-205-890-320
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APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: To Pan, James
APPLICANT: Abang, Zemin I.
APPLICANT: Abang, Zemin I.
APPLICANT: APAG, William I.
APPLICANT: APAG, APAG,
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122 ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
                                                                                                                                                                                                         RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA
                                                                                                                                                                     RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA
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                                                      RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA
                                                                                                            RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA
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SEQ ID NO 320
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Publication No. US20040053358A1
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Godowski, Paul J.
Gurney, Austin L.
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APPLICANT: Baker Kevin P.
ADDITCANT: Chen, Jian
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TYPE: PRT
ORGANISM: Homo Sapien
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99.4%; Score 2245; DB 12; Length 423;

Query Match

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APPLICANT: Gedard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION NUMBER: US/10/063,745
CURRENT APPLICATION NUMBER: US/10/063,745
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 170
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Pred. No. 1.7e-217;
2; Mismatches 1;
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99.38;
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Best Local Similarity 99.3
Matches 419; Conservative
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Matches 419, Conservative
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APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2230R1C1
CURRENT APPLICATION NUMBER: US/10/063,513
CURRENT FILING DATE: 2002-05-01
                                                   242 RWTASFGVTIKPSKWKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA
                                                                                                                                                                                   361 LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSSGDECAKPNKPGVYTRVTALRDWITSKT
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NUMBER OF SEQ ID NOS: 170
SEQ ID NO 106
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Pred. No. 1.7e-217;
2; Mismatches 1;
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APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
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Best Local Similarity 99.3
Matches 419; Conservative
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APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Gramaldi, Christopher J.
APPLICANT: Gramaldi, Christopher J.
APPLICANT: Gramabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
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62 DKLYAEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL
                                         ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR
                                                                             122 ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR
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Pred. No. 1.7e-217;
2; Mismatches 1;
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CURRENT APPLICATION NUMBER: US/10/063,512
CURRENT FILING DATE: 2002-05-01
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Best Local Similarity 99.3%;
Matches 419; Conservative
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CORGANISM: Homo Sapien
US-10-063-512-106
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APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritgen, Mary E.
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Best Local Similarity 99.33
Matches 419; Conservative
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CORGANISM: Homo Sapien
US-10-063-549-106
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                                                                                                                                                   Sequence 106, Application US/10063515
Fublication No. US20030018173A1
GENURAL INFORMATION:
APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gruney, Austin L.
APPLICANT: Gruney, Austin L.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood William I.
APPLICANT: Wood STORE ENCODING THE SAME
FILE REFERENCE: P3230R1CI.
CURRENT APPLICATION NUMBER: US/10/63,515
CURRENT FILING DATE: 2002-05-01
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 170
SEQ ID NO 106
LEAGURED AD A 202
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US-10-063-515-106
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                                                                                         APPLICANT: Filvaroff, Ellen
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddward, Audrey
APPLICANT: Goddward, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILLE OF INVENTION: ACIDS ENCODING THE SAME FILLE CALLOATION: ACIDS ENCODING THE SAME FILLE PREFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/063,549
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99.3%; Pred. No. 1.7e-217;
tive 2; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                         Prior Application removed - See File Wrapper or NUMBER OF SEQ ID NOS: 170 SEQ ID NO 106
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he : 40.5 secs
Sequence 106, Application US/10063549 Publication No. US20030027986A1 GENERAL INFORMATION:
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Human

ABU99112 ABU91111818 ABU96511 ABU66552 ABU67565 ABU67565 ABU67565 ABU33997 ABU33997 ABU33997 ABU33997 ABU3399 ABU3399 ABU3399 ABU3399 ABU3204 ABU3204 ABU3204 ABU3204 ABU3204 ABU3204

Human

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(without alignments)
2361.090 Million cell updates/sec
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1 MYRPDVVRARKRVCWBPWVI......PGVYTRVTALRDWITSKTGI
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                           1586107 segs, 282547505 residues
                                                                 - protein search, using sw model
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Minimum DB seq length: 0 Maximum DB seq length: 2000000000 Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

A\_Geneseq\_29Jan04:\*

1: geneseqp1980s:\*

2: geneseqp1980s:\*

4: geneseqp200s:\*

5: geneseqp2001s:\*

6: geneseqp2003as:\*

7: geneseqp203bs:\*

8: geneseqp2003bs:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		oh			COLUMNICO		
Result No.	Score	Query Match	o Query Match Length	DB	ID	Description	
t H	2265	100.0	422	3	AAY94708	Aay94708 Human	DES
2	2265	100.0	422	Ŋ	AAE18723	Aae18723 Human	DES
m	2265	100.0	422	9	ABU56527	Abu56527 Lung	canc
4	2265	100.0	423	m	AAY99414	Aay99414 Human	1 PRO
5	2265	100.0	423	4	AAB66163	m	Protein o
9	2265	100.0	423	4	AAU01344	Aau01344 Human	TAN
7	2265	100.0	423	4	AAU29183	Aau29183 Human	PRO 1
80	2265	100.0	423	4	AAB87578	Aab87578 Human	1 PRO
o.	2265	100.0	423	ហ	ABG95903	Abg95903 Human	1 sec
10	2265	100.0	423	Ŋ	ABP43883		1 PRO
11	2265	100.0	423	9	ABU58559	Abu58559 Human	PRO 1
12	2265	100.0	423	9	ABU88107	Abu88107 Novel	mruq 1
13	2265 1	100.0		9	ABU84422	Abu84422 Human	1 sec
14	2265	100.0		ø	ABR66296	Abr66296 Human	1 sec
15	2265	100.0	423	9	ABR65686	Abr65686 Human	n sec
16	2265	100.0	423	9	ABU99626	Abu99626 Human	ı sec
17	2265	100.0	423	9	ABU82865	Abu82865 Human	1 PRO
18	2265	100.0	423	9	ABU89986	Abu89986 Novel	l hum
19	2265	100.0	423	9	ABR68235	Abr68235 Human	n sec
20	2265	100.0	4	9	ABU96288	Abu96288 Novel	l hum
21	2265	100.0	423	9	ABU92719	Abu92719 Human	n Bec
22	2265	100.0	4	9	ABO08796	Abo08796 Human	n sec
23	S		4	9	ABO02848	Abo02848 Human	n sec
24		100.0	4	9	ABR75002	Abr75002 Human	n sec
25	2265	100.0	423	9	ABR94764	Abr94764 Human	n sec

Diagnosing squamous cell carcinoma or prostate cancer especially squamous cell carcinomas of head and neck and tissues adjacent to such tumor tissue comprises assaying for the expression of DESC1 gene.

N-PSDB; AAA28125

Claim 8; Fig 1A; 32pp; English.

This invention relates to a method for the diagnosis of squamous cell carcinoma or prostate cancer, comprising assaying for the expression of the DESC1 gene in the tissue sample from a subject. The present sequence represents the human DESC1 protein variant 1. The human DESC1 gene is located on chromosome 4q12-4q13, and the DESC1 protein has a predicted

	ALIGNMENTS
RESULT 1	LT 1 4708
e X	AAY94708 standard; protein; 422 AA.
AC AC	AAY94708;
ž L	01-DEC-2000 (first entry)
DE X	Human DESC1 protein variant #1.
X & i	Human; DESC1; squamous cell carcinoma; prostate cancer; head; neck;
ž×	alagnosis; chromosome 4qız-4qıs.
SS X	Homo sapiens.
E	Key Location/Qualifiers
FT	ion 1
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ΕŢ	ge-site 190.
FT	Domain 191422 /note= "Catalytic domain"
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N X	WO200050061-A1.
a \$	31-AUG-2000.
占	11-NOV-1999; 99WO-IB001818.
X K	26-FEB-1999; 99US-0122747F.
X & S	(OHIS ) UNIV OHIO STATE RES FOUND.
Z II	Lang JC;
ž K	WPI; 2000-572035/53.

09-JUL-2001; 2001WO-EP007859 18-JUL-2000; 2000US-0218832P

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molecular weight of 44kD. The DESCI gene is expressed in significant tevels in epithelial derived tissue of the head neck, oral mucosa, tonsils, prostate, testes and skin in healthy individuals. Tissue samples from patients with squamous cell carcinoma (paticularly of the head and neck) do not express, or expresses at low levels the DESCI gene. Expression of the DESCI gene is reduced or absent in prostate cancer. The DESCI protein shows homology to serine protease family members. The methods of the invention can be used to diagnose squamous cell carcinoma or prostate cancer in a tissue sample of a subject. The DESCI cDNA is useful for producing DESCI protein and for designing hybridization probes for isolating and identifying cDNA clones and genomic clones encoding the protein or its allelic forms
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The present invention relates to human DESC1-like serine proteases and bolymucleotides encoding such proteins. DESC1-like serine proteases are useful for treating a DESC1-like serine protease dysfunction related disease conditions such as cancer, chronic obstructive pulmonary disease (COPD), cardiovascular diseases (e.g., myocardial infarction, congestive heart failure, ischemic diseases of heart, all kinds of arrial and ventricular arrhythmias, hypertensive vascular diseases and peripheral vascular diseases) and peripheral or central nervous system diseases. They are also useful in diagnostic assays for detecting diseases and abnormalities or susceptibility to diseases and abnormalities can expect to diseases and abnormalities related to the presence of mutations in the nucleic acid sequences which encode the enzyme. The present sequence is human DESC1-like serine protease

Novel purified human DESC1-like serine protease, useful for identifyi modulators of enzyme activity to treat cancer, chronic obstructive pulmonary disease, cardiovascular, peripheral/central nervous system

WPI; 2002-188540/24

(FARB ) BAYER AG

Ramakrishnan S;

Disclosure; Fig 3; 86pp; English

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Human; DESC1-like serine protease; chronic obstructive pulmonary disease; CODD; cancer; cardiovascular disease; nervous system disease; arrhythmia; congestive heart failure; myocardial infarction; ischaemic disease; hypertensive vascular disease; peripheral vascular disease; enzyme.

WO200206453-A2 24-JAN-2002

Ношо

Human DESC1-like serine protease homologue.

(first entry)

17-MAY-2002

AAE18723

AAE18723 standard; protein; 422 AA.

KESULT 2

422

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Sequence 422 AA;

homologue

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Lung cancer-associated polypeptide, cytostatic, emphysema; atelectasis, antinflammatory; antiasthmatic; non-small cell lung cancer; atelectasis, small cell lung cancer, benign lesion; precancerous lesion; bronchitis; chronic obstructive pulmonary disease; hypersensitivity pneumonitis; interstitial pulmonary fibrosis; fibrosis; asthma; bronchiectasis.
                                                                                                                Lung cancer-associated polypeptide #120.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-APR-2001; 2001US-0284770P.
10-MAY-2001; 2001US-039945P.
09-NOV-2001; 2001US-0339245P.
13-NOV-2001; 2001US-0350666P.
29-NOV-2001; 2001US-0334370P.
12-APR-2002; 2002US-033246P.
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N-PSDB; ABX76254.
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ABU56527;
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Detecting a lung cancer-associated transcript in a cell from a patient for treating lung cancer, by contacting a biological sample from the patient with a polynucleotide that exhibits increased or decreased expression in lung cancer.

Claim 27; Page 284; 453pp; English.

The invention relates to a method for detecting a lung cancer-associated transcript in a cell from a patient, comprising contacting a biological sample from the patient with a polymucleotide that selectively hybridises to a sequence that is at least 80 % identical to a gene that exhibits to a sequence that is at least 80 % identical to a gene that exhibits in comparing the series of decreased expression in lung cancer samples. Lung cancer-associated polypeptide, for compound that modulates a lung cancer-associated polypeptide, for inhibiting proliferation of a lung cancer-associated cell to treat lung cancer in a patient and for treating a mammal having lung cancer by administering a modulatory compound identified. The methods are useful for treating lung cancer, such as small cell lung cancer, non-small cell lung cancer or other benign or precancerous lessions, e.g. atelectasis, cmphysems, bronchitis, chronic obstructive pulmonary disease, fibrosis, hypersensitivity pneumonitis, interstitial pulmonary fibrosis, asthma and for diagnostic purposes and as targets for screening for therapeutic compounds that modulate lung cancer, such as antibodies. Sequences compounds that modulate lung cancer, such as antibodies. Sequences

Sequence 422 AA;

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100.0%; Score 2265; DB 6; Length 422; 100.0%; Pred. No. 1.7e-195; ive 0; Mismatches 0; Indels 0
                                            Matches 422; Conservative
                      Local Similarity
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61 DKLYAEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL 120

MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTYNYYSTLSFTT MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTYNYYSTLSFTT

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LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSWGDECAKPNKFGVYTRVTALRDWITSKT 420
RWIASFGVTIKPSKAKKGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA 300
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                                                                                                                                                                                                                                                                                                                                                                                            Human, PRO polypeptide, membrane bound protein, receptor; diagnosis; transmembrane, secretion; immunoadhesion; pharmaceutical; screening.
                                                                                                                                                                                                                                                                                                                                                                        Human PRO1461 (UNQ742) amino acid sequence SEQ ID NO:269.
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receptor or secreted PRO polypeptides given in AAY99340 to AAY99462. The transmembrane and receptor PRO proteins can be used for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions. The polypeptides and nucleotide sequences encoding then have various industrial applications, including uses as pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent PCR primers and phybridisation probes used in the isolation of the PRO polypeptides from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                       New mammalian DNA sequences encoding transmembrane, receptor or secreted PRO polypeptides, useful for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions.
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iive 0; Mismatches 0;
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241 RWIASFGVIIKPSKWKRGLRRIIVHSKYKHPSHDYDISLAELSSPVPYIWAVHRVCLPDA 300

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Unidentified,

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te= "Protein kinase C phosphorylation site"
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                                                     360
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     301
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Hillan KJ;
Watanabe C
                                                                                  SYEFOPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS
                                                                                                                                                                                  LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT
  242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA
                                                  SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS
                                                                                                                                                    LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT
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A, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Botstein D, Desnoyers L, Eaton DL, F
Ndard A, Godowski PJ, Grimaldi CJ, Gu
oni NF, Roy MA, Smith V, Stewart TA,
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99US-0141037P. 99US-0144758P. 99US-0145698P.

23-JUN-1999; 20-JUL-1999; 26-JUL-1999;

2000WO-US004342

18-FEB-2000;

28-DEC-2000

99WO-US020111.

01-SEP-1999; 29-OCT-1999; 30-NOV-1999; 02-DEC-1999;

99WO-US028313

99WO-US028551. 99WO-US030095. 2000WO-US000219.

:6661 05-JAN-2000;

2000WO-US000376

06-JAN-2000;

(GETH ) GENENTECH INC.

Baker KP,

Gao W, Pan J,

Goddard A, Godowsk Paoni NF, Roy MA,

Wood WI

Williams PM,

WPI; 2001-071395/08.

Secreted and useful as hyb

therapy

Claim 1; Fig 150; 787pp; English.

100.0%;

Best Local Similarity

Query Match

Sequence 423 AA;

Gaps

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Length 423; Indels

100.0%; Score 2265; DB 4; 100.0%; Pred. No. 1.7e-195; ive 0; Mismatches 0;

Conservative

9 61

49.00

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New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO 361
TANGO 499 or TANGO 509 secreted or transmembrane protein, useful for the
diagnosis and treatment of arthritis, psoriasis and Parkinson's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequence represents the amino acid sequence of human TANGO 361 transmembrane protein. The nucleic acid and polypeptide sequences are useful for the diagnosis, prognosis and treatment of immunological
                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 8; Fig 13; 362pp; English.
                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-211461/21.
N-PSDB; AAS02070.
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DKLYAEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL 120
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disorders (e.g. arthritis, graft rejection and acquired immunodeficiency syndrome), inflammatory disorders (e.g. psoriasis and asthma), renal disorders, brain-related disorders (e.g. cerebral oedema), cerebrovascular diseases (e.g. ischaemia), tumours, prostaterelated disorders, pitulitary-related disorders (e.g. Cushing's disease) and neurodegenerative diseases (e.g. Parkinson's disease)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RSKTLGOSLRIVGGTEVERGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS
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                                                                                                                                                                                                                                                                                                                                  62 DKLYABFGREASNNFTEMSQRLESMVKNAFYKSPLREBFVKSQVIKFSQQKHGVLAHMLL
                                                                                                                                                                                                                                                                                                                                                                         121 ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR
                                                                                                                                                                                                                                                                                                                                                                                                  ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR
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                                                                                                                                                                                                                                1 MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLIVHYVRYNQKKTYNYYSTLSFTT
                                                                                                                                                                                                                                                                 2 MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLIVHYVRYNQKKIYNYYSTLSFTT
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                                                                                                                               Sequence 423 AA,
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                                                                                                                                                                                                                                                                                                                                                                              'note= "Serine protease, histidine active site
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Anote= "Extracellular domain"

Anote= "Protein kinase C phosphorylation site"
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'note= "Casein kinase II phosphorylation site"
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/note= "Protein kinase C phosphorylation site"
                         "Casein kinase II phosphorylation site"
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                                                                                                                                                                   note= "Serine protease domain'
                                                                                                                                                                                                                                                                                                                           .23. .226
note= "Asn is N-glycosylated"
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                                                                                                                                                                                                                                        "N-myristylation site"
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/note= "Ca
213. .218
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           168. .171
/note= "Ca
179. .184
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418. .420
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360

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241 300

121 180 181 420

421

422 423

361

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PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha; blood; chondrocyte cell; cell proliferation; cell differentiation; colon; adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
                                                               Human PRO polypeptide sequence #160.
                                                                                                                                                                                                                                                          2000WO-US005841.
2000US-0187202P.
2000US-0186968P.
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                                           (first entry)
                                                                                                                                                                           WO200168848-A2
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02-MAR-2000; 2
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                                           18-DEC-2001
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TANGO 361, ul for the

Kingsbury

Barnes T,

Fraser CC,

Sharp JD,

301

360

420 421

LEGKTDACQGDSGGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 

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301

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GI 422

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121 ICREHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR

182 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA

181 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA

RWIASFGVIIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYINAVHRVCLPDA 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA SYEFOPGDVMFVTGFGALKNDGYSQNHLROAQVTLIDATTCNEPOAYNDAITPRMLCAGS SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS

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9 61 DKLYAEPGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL 121

DKLYAEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL

61 62

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MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTYNYXSTLSFTT

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The PRO polypeptides and their associated nucleic acids can be used to rhe PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO mucleic acids can be used for genetic analysis of individuals with genetic disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals screen for modulators of the compounds.
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Wood WI, Zhang
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25-APR-2000; 2000US-0199597P
25-APR-2000; 2000US-0199550P
25-APR-2000; 2000US-0199654P
03-MAY-2000; 2000US-0199654P
                                                                                                                                                                   30-MAR-2000; 2000WO-US008439.
04-APR-2000; 2000US-0194449P.
04-APR-2000; 2000US-0194647P.
11-APR-2000; 2000US-0195975P.
11-APR-2000; 2000US-0196000P.
11-APR-2000; 2000US-019669P.
11-APR-2000; 2000US-0196820P.
11-APR-2000; 2000US-0196820P.
            14-MAR-2000; 2000US-0189328P.
15-MAR-2000; 2000US-0189328P.
21-MAR-2000; 2000US-0190828P.
21-MAR-2000; 2000US-01910048P.
21-MAR-2000; 2000US-0191048P.
21-MAR-2000; 2000US-019355F.
29-MAR-2000; 2000US-019365F.
29-MAR-2000; 2000US-019365F.
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24-AUG-2000; 2000WO-US023328.
08-NOV-2000; 2000WO-US030952.
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2000WO-US013705.
2000WO-US014042.
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20-DEC-2000; 2000WO-US034956
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2000US-0189320P.
2000US-0189328P.
2000WO-US006884.
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N-PSDB; AAS46084.
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30-MAY-2000; 2
02-JUN-2000; 2
05-JUN-2000; 2
28-JUL-2000; 2
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29-MAR-2000; 2
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04-APR-2000; 2
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18-APR-2000;
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Pan J, S
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PJ;
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Wood WI;
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Watanabe CK,
                                            AAB87578 standard; protein; 423 AA
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22-FEB-2000; 2000WO-US004414.

01-MAR-2000; 2000WO-US005601.

03-MAR-2000; 2000US-0191007P.

21-MAR-2000; 2000US-0191007P.

25-ARR-2000; 2000US-019397P.

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99WO-US021090.
99US-0169495P.
99US-0170262P.
2000US-0175481P.
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                                                                                                                   Human; PRO protein; mapping
                                                                                15-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                      Filvaroff E,
J, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC
GI 423
                                                                                                                                                    WO200116318-A2
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15-SEP-1999;
07-DEC-1999;
09-DEC-1999;
11-JAN-2000;
18-FEB-2000;
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Grimaldi CJ,
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Gurney AL;

Godowski PJ,

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Gaps

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Indels

100.0%; Score 2265; DB 4; 100.0%; Pred. No. 1.7e-195; tive 0; Mismatches 0;

Query Match 100. Best Local Similarity 100. Matches 422; Conservative

Length 423;

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98US-0100683P.
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98US-0100930P.
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98US-0088021P.
98US-0088029P.
98US-0088030P.
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                                          29-AUG-2002.
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The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO artibodises are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping
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                                                        Eighty four nucleic acids encoding PRO polypeptides, useful in molecular biology, including use as hybridization probes, and in chromosome and
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                                                                                                                      Claim 12; Fig 106; 278pp; English
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Best Local Similarity 100. Matches 422; Conservative
                 WPI; 2001-183260/18.
                               N-PSDB; AAF92110
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RESULT 9 ABG95903

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2000WO-US032378 2000WO-US034956 2001WO-US006520 2001WO-US021735

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(GETH ) GENENTECH INC.
      28-FEB-2001;
01-MAR-2001;
30-MAY-2001;
 10-NOV-2000;
01-DEC-2000;
20-DEC-2000;
            01-JUN-2001;
20-JUN-2001;
                  09-JUL-2001;
                29-JUN-2001;
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The invention relates to an isolated secreted and transmembrane PRO polypeptide having 80 % sequence identify to a sequence appearing as a polypeptide having 80 % sequence dientify to a sequence appearing a polypeptide having 10 % sequence of an extracellular domain of the proteins with their associated signal peptide. Also included are the nucleic acids encoding the specifically bind to the proteins. The proteins and antibodies which specifically bind to the proteins. The proteins and antibodies which specifically bind to the proteins. The proteins and antibodies which a polypeptide designated as A. B. C or D in a sample with a polypeptide designated as B. F. G. H or I (or vice versa) and determining the formation of a A.B. B. F. B. G. C or D in a sample or indicative of the presence of an A. B. C or D polypeptide, by contacting the sample where A is a PRO1072 polypeptide, B is a PRO1019 polypeptide, C is a pro1005 polypeptide, D is a PRO1090 polypeptide, H is a conjugate in the sample, and is a PRO1090 polypeptide, E is a PRO300 polypeptide, E is a PRO300 polypeptide, D is a PRO300 polypeptide, D polypeptide, D polypeptide, D is a PRO300 polypeptide, D pol development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapy. The antibody is useful as a therapeutic agent, in a diagnostic assay and for affinity purification of New isolated secreted and transmembrane PRO polypeptide useful for modulating biological activity of a cell, or for treating sports-related joint problems, osteoarthritis or rheumatoid arthritis. hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the Godowski PJ; Goddard A, Wood WI; Gerritsen ME, Watanabe CK, Claim 20; Fig 106; 399pp; English lvaroff E, Gurney AL, Filvaroff 2002-731348/79 N-PSDB; ABS74430 Eaton DL, Fii Grimaldi JC,

Sequence 423 AA;

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Gaps

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Length 423; Indels

100.0%; Score 2265; DB 5; 100.0%; Pred. No. 1.7e-195;

0; Mismatches

Matches 422; Conservative

Similarity

Query Match Best Local

180 240 241 SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS 360 421 122 ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181 9 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA New polypeptides and their encoded proteins, useful as nutritional sources or supplements, or in gene therapy, particularly for treating wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or DKLYAEFGREASNNFTEMSQRLESMVKNAFYKSPLREEFVKSQVIKFSQQKHGVLAHMLL 121 ICRFHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNAVHRVCLPDA SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS LEGKTDACOGDSGGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT Neuroprotective; immunomodulator; cancer; chromosome 4; cytostatic; anti-inflammatory; gene therapy; nutritional supplement; wound; burn; ulcer; Alzheimer's disease; Huntington's disease; amyotrophic lateral sclerosis; autoimmune disorder; inflammation; 2 MYRPDVVRARKRVCWEDWVIGLVIFISLIVLAVCIGLTVHYVRXNQKKTYNYSTLSFTT DKLYABFGREASNNFTEMSORLESMVKNAFYKSPLREBFVKSOVIKFSQOKHGVLAHMLL MYRPDVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTYNYYSTLSFTT Ren F; Zhao QA, Zhou P, Asundi V, Zhang J, Wehrman T, Drmanac RT; ABP43883 standard; protein; 423 AA. 11-OCT-2001; 2001WO-US027760. 12-OCT-2000; 2000US-00687527 (first entry) Human PR01461 protein. 2002-426278/45. (HYSE-) HYSEQ INC. Liu C, Yang Y, N-PSDB; ABQ61127 GI 422 GI 423 WO200231111-A2 Homo sapiens inflammation 26-FEB-2003 18-APR-2002. vulnerary ABP43883; 61 62 302 361 422 rang YT, 181 241 301 362 421 Kue AJ, RESULT 10 ABP43883 g 셤 ਨੇ 엄 à g ò 쉱 Š à 요 g à 셤 à

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The invention relates to 446 newly isolated polynucleotide sequences. The activity of polynucleotides of the invention may be described as, vulnerary, neuroprotective, immunomdulator, cytostatic and anti-inflammatory. Compositions comprising nucleic acids of the invention are useful for treating a mammalian subject, or as nutritional sources or supplements. These are useful in gene therapy, particularly for treating wounds, burns or ulcers, Alzheimer's disease, Huntington's disease, inflammation. The nucleic acids and polypeptides are also useful in diagnostic and research methods. The sequences given in records ABB4354-invention. The nucleic acids and polypeptides are also useful in diagnostic and research methods. The sequences given in records ABB4354-invention. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/published_pct_sequences
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Claim 20; SEQ ID # 786; 357pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                      Sequence 423 AA;
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100.0%; Scur. 100.0%; Pred

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  Human, secreted and transmembrane protein: PRO; gene therapy; tumour necrosis factor-alpha release; TNF-alpha release; chondrocyte proliferation; chondrocyte differentiation; tumour; addrenal tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; cervical tumour; liver tumour.
                                                                                                             Novel human secreted and transmembrane protein PRO1461
                                                         ABU88107 standard; protein; 423 AA
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extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
chondrocyte; proliferation; differentiation; cartilage disorder;
bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
adrenal tumour; lung; colon; breast; prostate; kidney; rectum; carvix;
liver; drug screening; transgenic animal; genetic analysis;
antiarthritic; vulnerary; gene therapy.
                                                                                                                                                                                                  ICRPHSTEDPETVDKIVQLVLHEKLQDAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR
                                                                                                                                                                                                              RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA
                                                                                                                                                                                                                                                       RSKTLGQSLRIVGGTBVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA
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                                                                                  100.0%; Score 2265; DB 6;
100.0%; Pred. No. 1.7e-195;
ive 0; Mismatches 0;
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  98US-0102571P.
98US-0102571P.
98US-0102684P.
98US-010265P.
98US-0103958P.
98US-0103449P.
98US-0103449P.
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                                                                                                        422; Conservative
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  30-SEP-1998;
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; Pred. No. 1.7e-195;
0; Mismatches 0;
 98US-0100664P.
98US-0100664P.
98US-01006632P.
98US-01006632P.
98US-0100613P.
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98US-0100913P.
98US-010014P.
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al Similarity 100.0%;
422; Conservative 0
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ABR65686 standard; protein; 423 AA.

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98US-0086023P.
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98US-0086486P.
98US-0087609P.
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  Human, PRO; secreted protein, transmembrane protein; TNP-alpha, extracellular domain, tumour necrosis factor-alpha, rundur decrosis factor-alpha, chondrocyte; proliferation, differentiation, cartilage disorder, bone disorder; arthritis; sports injury; cancer; tumour; diagnosis; adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix; liver; drug screening; transgenic animal; genetic analysis; antiarthritic; vulnerary; gene therapy.
                   Human secreted polypeptide PRO1461, SEQ ID NO:320.
                                                                                                                                                                                   970S-0059263P.
970S-0062250P.
970S-00632212P.
970S-0063121P.
970S-0063121P.
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17-CCT-1997,
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Search completed: May 13, 2004, 16:32:33 Job time : 52.5 secs

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Copyright (c) 1993 - 2004 Compugen Ltd.
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## ALIGNMENTS

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APPLICANT: Edwin L. Madison
APPLICANT: Edwin L. Madison
APPLICANT: Edwin L. Madison
APPLICANT: George P. Vlasuk
APPLICANT: George P. Vlasuk
APPLICANT: George P. Vlasuk
APPLICANT: George P. Vlasuk
APPLICANT: Mallareddy Komandia
APPLICANT: Daniel Vanna Siev
TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic
TITLE OF INVENTION: Thereof
FILE REFERENCE: 24745-1611
CURRENT APPLICATION NUMBER: US/10/156,214A
CURRENT FILING DATE: 2002-05-23
NUMBER OF SEQ ID NOS: 611
SOFTWARE: FRASEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1469.8;
Pred. No. 0;
3; Mismatches
                ; Sequence 27, Application US/10156214A; Publication No. US20040001801A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: CDS

1 LOCATION: (56)...(1324)

OTHER INFORMATION: protease domain

US-10-156-214A-27
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NAME/KEY: misc_feature
LOCATION: (626)...(1324)
OTHER INFORMATION: DESC1 gene
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ORGANISM: Homo Sapien
US-10-156-214A-27
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1 TGACTTGGATGTAGACCTCGACCTTCACAGGACTCTTCATTGCTGGTTGGCAATGATGTA 60

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	TGACTTGGATGTAGACCTCGACCTTCACAGGACTCTTCATTGCTGGCAATGTA TCGGCCAGATGTAGTGAGACCTTAGAGAACTCTTCATTGCTGGGAACCCTGGGTTATCGGCCT TCGGCCAGATGTGGTGAGGGAAAAAAAGAGTTTGTTGGGAACCCTGGGTTATCGGCCT TCGGCCAGATGTGGTGAGGGCTAGGAAAAAGAGTTTGTTGGGAACCCTGGGTTATCGGCCT	CGTCATGTTCATATCCCTGATTGTCCTGGCAGTGTGCATTGGAGTCACTGTTCATTATGT 	GAGATATAATCAAAAGAAGACCTACAATTACTATAGCACATTGTCATTTACAACTGACAA 	ACTATATGCTGAGTTTGGCAGAGAGCTTCTAACAATTTTACAGAAATGAGCCAGAGAGTT	TGAATCAATGGTGAAAAATGCATTTATAAATCTCCATTAAGGGAAGAATTTGTCAAGTC 	TCAGGITATCAAGTTCAGTCAACAGAAGCATGGAGTGTTGGCTCATATGCTGTTGATTTG	TAGATTICACTCTACTGAGGATCCTGAAACTGTAGATAAATTGTICAACTTGTTTACA	TGAAAAGCTGCAAGATGCTGTAGGACCCCCTAAAGTAGATCCTCACTCA	aaaatcaacaagacagaaacagacagctatctaaaccattgctgcggaacacgaagaagaggelliiiiiiiiiiiiiiiiiiiiiiiiiii	TAAAACTCTAGGTCAGAGTCTCAGGATCGTTGGTGGGACAGAAGTAGAAGAGGGTGAATG 	GCCCTGGCAGGCTAGCCTGCAGTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAATTAA	Teccacatggcttgtgagtgctgctcactgttttacaacatataagaacctgccagatg 	GACTGCTTCCTTTGGAGTAACAATAAAACCTTCGAAAATGAAAGGGGGTCTCCGGAGAAT 	AAITGICCAIGAAAAARACACCAICACARGACTAIGATAITTCICTIGCAGAGCI 	TTCTAGCCCTGTTCCCTACACAAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTA	961 TGAGTTTCAACCAGGTGATGTGATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGG 	1021 TTACAGTCAAAATCATCTTCGACAAGCACAGGGGACTCTCATAGACGCTACAACTTGCAA	1081 TGAACCTCAAGCTTACAATGACGCCATAACTCCTAGAATGTTATGTGCTGGCTCCTTAGA

Db 1201 AGATATCTGGTACCTTGCTGAATAGTGAGTTSGGGAGATGAATGTGCGAAAACCCAACAA 1260  Qy 1261 GCCTGGTGTTTATACTAGAGTTACGGCCTTGCGGGACTTGCTTCAAAAACTGGTAT 1320  L261 GCCTGGTGTTTATACTAGAGTTACGGCCTTGCGGGACTTGCTTACTTCAAAAACTGGTAT 1320  Qy 1321 CTAAGAGAAAAAGCCTCATGGAACAGATAACATTTTTTTT	RESULT 3 US-09-796-753-145 I GS-09-05-053-145 I Sequence 145, Application US/09796753 FUDICATION NO. USZ0030027998A1 GENERAL INFORMATION: I TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF FILE REFERENCE: 7863-227-999 CURRENT PILING DATE: 2001-03-01 PRIOR APPLICATION NUMBER: 09/183,175 PRIOR APPLICATION NUMBER: 09/183,175 PRIOR APPLICATION NUMBER: 09/123,094 PRIOR APPLICATION NUMBER: 09/223,094 PRIOR APPLICATION NUMBER: 09/223,546	PILLING DATE: 1998-12 APPLICATION NUMBER: FILLING DATE: 1998-12 APPLICATION NUMBER: FILLING DATE: 1999-03 APPLICATION NUMBER: FILLING DATE: 1999-03 APPLICATION NUMBER: FILLING DATE: 1999-03 APPLICATION NUMBER: FILLING DATE: 1999-06 APPLICATION NUMBER: FILLING DATE: 1999-06 APPLICATION NUMBER: FILLING DATE: 1999-06 APPLICATION NUMBER: FILLING DATE: 1999-06 APPLICATION NUMBER:	PRIOR FILING DATE: 1999-073   PRIOR FILING DATE: 1999-073   PRIOR PILING DATE: 1999-09-20   PRIOR PILING DATE: 1999-09-20   PRIOR PILING DATE: 1999-09-30   PRIOR FILING DATE: 1999-09-30   PRIOR FILING DATE: 1999-12-23   PRIOR FILING DATE: 1999-12-23   PRIOR FILING DATE: 1999-12-29   PRIOR FILING DATE: 1999-12-29   PRIOR FILING DATE: 1999-12-29   PRIOR FILING DATE: 1999-12-29   PRIOR FILING DATE: 09/474,072   PRIOR FILING DATE: 09/514,010   PRIOR FILING DATE: 09/514,010   PRIOR FILING DATE: 2000-02-25   PRIOR FILING DATE: 2000-02-25   PRIOR FILING DATE: 2000-03-301	APPLICATION NU FILING DATE: APPLICATION NU FILING DATE: APPLICATION NU FILING DATE: APPLICATION NU FILING DATE: APPLICATION NU
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     TGGAGTAACAATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGAATAATTGTCCATGA 840
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Loation No. US20030073125.
JENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Bestein, David
APPLICANT: Beenoyers, Luc
APPLICANT: Eston, Dan L.
PPLICANT: Ferrara, Napoleone
'PLICANT: Forny, Sherman
ULICANT: Rong, Sherman
ULICANT: Godwark, Paul J.
'ANT: Godwark, Paul J.
'ANT: Godwark, Paul J.
'THILIAN, Kenneth J.
Hillan, Kenneth J.
'Hillan, Kenneth J.
'Hallan, March.
'Hallan, Kenneth J.
'Hallan, March.
'Hallan, Kenneth J.
'Hallan, March.
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Tumas, Daniel
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Smith, Victoria
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Pred. No. 0;
0; Mismatches
PRIOR APPLICATION NUMBER: 09/606,565
PRIOR FLILING DATE: 2000-06-29
PRIOR FILING DATE: 2000-06-29
PRIOR FILING DATE: 2000-06-29
PRIOR FILING DATE: 2000-09-20
PRIOR FILING DATE: 2000-09-20
PRIOR FILING DATE: 2000-09-30
NUMBER: 09/677,751
SEQUID NO 145
                                                                                                                                                                                                                                                 98.2%;
99.8%;
                                                                                                                                                                                                                                                                  Best Local Similarity 99.8
Matches 1447; Conservative
                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-753-145
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111LE OF INVENTION: ACIDS ENCODING THE SAME	FILING DATE: 1998-09-17
FILE KEFEKENCE: FZSJUFIC. FILES KEFEKENCE: FZSJUFIC.	4
CONTAIN AFFILICATION NUMBER (US) (9/9/9/5) /4	; FRIOK FILING DAIE: 1998-09-1/
50	RILING DATE: 1998-09
PRIOR FILING DATE: 1998-09-01	
PRIOR APPLICATION NUMBER: 60/098723	FILING DATE: 1998-09
PRIOR FILING DATE: 1998-09-01	
PRIOR APPLICATION NUMBER: 60/098749	
PRIOR APPLICATION NUMBER: 60/088750	; PRIOR AFFLICATION NUMBER: 60/1012/9
PRIOR FILING DATE: 1998-09-01	
PRIOR APPLICATION NUMBER: 60/098803	
PRIOR FILING DATE: 1998-09-09-09-	; PRIOR APPLICATION NUMBER: 60/101472
PKICK AFFLICKNUMBER: 80/098821 DDTOP FTIING NAME: 1000-00	
FALLOR APPLICATION NUMBER: 60/098843	; FRICK AFFDICALION NUMBER: 60/1014/4
PRIOR FILING DATE: 1998-09-02	
PRIOR APPLICATION NUMBER: 60/099536	PRIOR FILING DATE: 1998-09-23
PRIOR FILING DATE: 1998-09-09	; PRIOR APPLICATION NUMBER: 60/101476
PRIOR APPLICATION NUMBER: 60/099596	; PRIOR FILING DATE: 1998-09-23
PRIOR FILLION DALE: 1998-109-109 PRIOR FILLION WINDERS COLORED	; PRIOR APPLICATION NUMBER: 60/101477
FILTER DATE: 1998-09-09	FRIOR APPLICATION NIMBER 60/101479
PRIOR APPLICATION NUMBER: 60/099602	PRIOR FILING DATE: 1998-09-23
PRIOR FILING DATE: 1998-09-09	; PRIOR APPLICATION NUMBER: 60/101738
PRIOR APPLICATION NUMBER: 60/099642	; PRIOR FILING DATE: 1998-09-24
FALLO FALLING DAILE: 1995-109-109 DDFTOR ADDITICATION NUMBER: 60/00044	; PRIOR APPLICATION NUMBER: 60/101/41
PRIOR FILING DATE: 1998-09-10	: PRIOR APPLICATION NIMBER: 60/101743
PRIOR APPLICATION NUMBER: 60/099754	; PRIOR FILING DATE: 1998-09-24
PRIOR FILING DATE: 1998-09-10	; PRIOR APPLICATION NUMBER: 60/101915
PRIOR APPLICATION NUMBER: 60/099763	; PRIOR FILING DATE: 1998-09-24
PRIOR FILING DATE: 1998-09-10	; PRIOR APPLICATION NUMBER: 60/101916
FKICK AFFILCHOUSDEK: 00/039/92 PRIOR FILING DATE: 1998-09-10	; PRIOR FILLING DATE: 1998-19-24
PRIOR APPLICATION NUMBER: 60/099808	: PRIOR FILING DATE: 1998-09-29
PRIOR FILING DATE: 1998-09-10	PRIOR APPLICATION NUMBER: 60/102240
PRIOR APPLICATION NUMBER: 60/099812	; PRIOR FILING DATE: 1998-09-29
PRIOR FILLING DATE: 1998-09-10	; PRIOR APPLICATION NUMBER: 60/102307
FRICK AFFLICATION NUMBER: 00/099815 PRIOR FILING DATE: 1998-09-10	PRIOR FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: 60/099816	PRIOR FILING DATE: 1998-09-29
PRIOR FILING DATE: 1998-09-10	; PRIOR APPLICATION NUMBER: 60/102331
PRIOR APPLICANUMBER: 60/100385	; PRIOR FILING DATE: 1998-09-29
PRIOR FILING DATE: 1998-09-15 PRIOR ADDITICATION NIMBER - 60/100389	; PRIOR APPLICATION NUMBER: 60/102484
PRIOR FILING DATE: 1998-09-15	; PRIOR APPLICATION NUMBER: 60/102487
PRIOR APPLICATION NUMBER: 60/100390	
	; PRIOR APPLICATION NUMBER: 60/102570
PRIOR APPLICATION NUMBER: 60/100627	
PKIOR APPLICATION NUMBER: 60/100661 PRIOR FILING DATE: 1008-00-16	
APPLICATION NUMBER: 60	PRIOR FILING DATE: 1998-10-01
FILING DATE: 1998-09-	
	; PRIOR FILING DATE: 1998-10-02
PRIOR APPLICATION NIMPER. 60/100683	; PRIOR APPLICATION NUMBER: 60/103258 ; paron RILING DAME: 1098-10-06
	; PRIOR APPLICATION NUMBER: 60/103314
Ψ.	; PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/100710	; PRIOR APPLICATION NUMBER: 60/103315 ; PRIOR FILING DATE: 1998-10-07
FILING DATE: 1998-0	PRIOR APPLICATION NUMBER: 60/103328
FKIOK AFFLICATION NUMBER: 60/100711 PRIOR FILING DATE: 1998-09-17	; PRIOR FILING DATE: 1998-10-07 : PRIOR APPLICATION NUMBER: 60/103395
APPLICATION NUMBER: 60	FILING DATE: 1998-10
9-1	APPLICATION NUMBER
FRICK FILING DATE: 1998-09-18	; PRIOR FILING DATE: 1998-10-0/ ; PRIOR APPLICATION NUMBER: 60/103401

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          541 AGACAGCTATCTAAACCATTGCTGCGGAACACGGAAGAAGAAGTAAAACTCTAGGTCAGAGTCT 600
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                                                                                                                                                       841 ACACCCATCACATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCTACAC
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                                                                                     CAGGATCGTTGGTGGGACAGAGTAGAGGGTGAATGGCCCTGGCAGGCTAGCCTGCA
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                                                 CAGGATCGTTGGTGGGACAGAAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCTGCA
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Publication No. US20040073015A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.
APPLICANT: Ferrara, Napoleone
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99.7%; Pred. No. 0;
live 0; Mismatches
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103449
PRIOR APPLICATION NUMBER: 60/10363
PRIOR PLING DATE: 1998-10-06
PRIOR PLING DATE: 1998-10-08
PRIOR FILING DATE: 1998-10-08
PRIOR FILING DATE: 1998-10-08
PRIOR PELING DATE: 1998-10-08
PRIOR PELING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103711
PRIOR APPLICATION NUMBER: 60/10497
PRIOR FILING DATE: 1998-10-08
PRIOR FILING DATE: 1998-10-08
PRIOR PRILING DATE: 1998-10-07
PRIOR PRILING DATE: 1998-10-14
PRIOR PLING DATE: 1998-10-20
PRIOR PLING DATE: 1998-10-20
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APPLICANT: Gurney, Austin L.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watenabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Abang, Zemin
APPLICANT: Zhang, Zemin
APPLICANT: Zhang, Zemin
APPLICANT: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC FILE REFERENCE: P3430R1C513
                           TGCTCACTGTTTTACAACATATAAGAACCCTGCCAGATGGACTGCTTTCGTTTGGAGTAAC
                                                      TCCTCACTGTTTTTACAACATATAAGAACCCTGCCCAGATGGACTGCTTTGGAGTAAC
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US-10-206-915-319
Sequence 319, Application US/10206915
Sequence 319, Application US/10206915
GENERAL INFORMATION:
APPLICANT: BAKET, KEVIN P.
APPLICANT: Chen, Jian
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Ganowski, Paul J.
APPLICANT: Ganowski, Paul J.
APPLICANT: Matanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Zhang, Zemin
APPLICANT: Zhang, Zemin
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APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddward, Audray
APPLICANT: Goddwark, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
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APPLICANT: Pan, James
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830FLC57
CURRENT APPLICATION NUMBER: US/10/015,395A
CURRENT APPLICATION TEMOVED - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 268
LENGTH: 2103
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                                                                                                                       ; Sequence 319, Application US/10199670; Publication No. US20040033560A1; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Goddard, Audrey;
; APPLICANT: Goddwaki, Paul J.
; APPLICANT: Goddwaki, Paul J.
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CURRENT APPLICATION NUMBER: US/10/206,915

PRIOR APPLICATION NUMBER: 10/65286

PRIOR PLICATION NUMBER: 10/65286

PRIOR PLICATION NUMBER: 60/059263

PRIOR FILING DATE: 1997-09-18

PRIOR APPLICATION NUMBER: 60/069266

PRIOR APPLICATION NUMBER: 60/06226

PRIOR FILING DATE: 1997-09-18

PRIOR FILING DATE: 1997-09-18

PRIOR FILING DATE: 1997-10-17

PRIOR PLICATION NUMBER: 60/063120

PRIOR FILING DATE: 1997-10-27

PRIOR PLICATION NUMBER: 60/063121

PRIOR PLICATION NUMBER: 60/063121

PRIOR PLICATION NUMBER: 60/06354

PRIOR PLICATION NUMBER: 60/063540

PRIOR PLICATION NUMBER: 60/063541

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US-10-206-915-319
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APPLICANT: Pan, James APPLICANT: Smith, Victoria APPLICANT: Matanabe, Colin X. APPLICANT: Mod, William I. APPLICANT: Zhang, Zemin TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC FILE REFERENCE: P3430R12401 CURRENT APPLICANTON NUMBER: US/10/199,670 CURRENT APPLICANTON NUMBER: 10/05266 PRIOR APPLICATION NUMBER: 60/05263 PRIOR APPLICATION NUMBER: 60/06256 PRIOR APPLICATION NUMBER: 60/06256 PRIOR APPLICATION NUMBER: 60/06250 PRIOR PLING DATE: 1997-09-18 PRIOR PLING DATE: 1997-10-24 PRIOR PLING DATE: 1997-10-24 PRIOR PLING DATE: 1997-10-24 PRIOR PLING DATE: 1997-10-24 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-28 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29 PRIOR PLING DATE: 1997-10-29	Ouery Match   97.5%;   Score 1434.6;   DB 13;   Length 2103;

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GREAGAL INCRAMILLON:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyars, Lac
APPLICANT: Desnoyars, Lac
APPLICANT: Oben, Jian
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Matanabe, Colin K.
APPLICANT: Mood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE REFERENCE: P3490R.0464
CURRENT APPLICATION NUMBER: 10/65266
PRIOR FILING DATE: 2002-01-15
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-24
PRIOR PILING DATE: 1997-10-28
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PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/663540
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/663540
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/663540
PRIOR APPLICATION NUMBER: 60/663540
PRIOR PILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/663540
PRIOR APPLICATION NUMBER: 60/663540
PRIOR APPLICATION NUMBER: 60/663541
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Pred. No. 0;
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Best Local Similarity 99.7%;
Matches 1437; Conservative C
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US-10-201-858-319
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APPLICANT: GOGOWERL, Paul J.
APPLICANT: Ban, James
APPLICANT: Ban, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: ADDARE: 2002-01-26
FILE REFERENCE: P9430RICOS: 890
CURRENT APPLICATION NUMBER: 10/052586
PRIOR APPLICATION NUMBER: 60/053263
PRIOR FILING DATE: 1997-09-18
PRIOR PELICATION NUMBER: 60/063120
PRIOR PELICATION NUMBER: 60/063121
PRIOR PELICATION NUMBER: 60/063121
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PRIOR PELICATION NUMBER: 60/063540
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SEQ ID NO 319
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                                                                                                                                                                          Application US/10205890
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Best Local Similarity 99.7%;
Matches 1437; Conservative
                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
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ORGANISM: Homo Sapien
                                                                                                                                                                        Sequence 319, Applic
Publication No. US20
GENERAL INFORMATION
1462 A 1462
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22 CCTTCACAGGACTCTTCATTGCTGGCAATGATGTATCGGCCAGATGTGGTGAGGGC	4 2 0 8 8 4 4 5 8 8 9 1		962 ACACCCATCACATGACTATGTTTTCTTTGCAGAGCTTTCTAGCCCTGTTCCTACAC 921
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A THE STATE A	ESULT 11 S-10-201-853-319 S-10-201-853-319 Sequence 319, Application US/10201853 Publication No. U520040053358A1 GENERAL INFORMATION: APPLICANT: Chen, Jian APPLICANT: Chen, Jian APPLICANT: Goddard, Audrey APPLICANT: Godowski, Pau, I. APPLICANT: Gurney, Austin L. APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Watanabe, Colin K. APPLICANT: Watanabe, Colin K. APPLICANT: Watanabe, Colin K. APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: Smith, Victoria APPLICANT: ACIDS ENCODING THE SAME TITLE OF INVENTION: ACIDS ENCODING THE SAME	CURRENT APPLICATION NUMBER: US/10/201,853 CURRENT FILING DATE: 2002-07-23 FRIOR APPLICATION NUMBER: 10/052586 FRIOR APPLICATION NUMBER: 06/059263 FRIOR FILING DATE: 1997-09-18 FRIOR FILING DATE: 1997-09-18 FRIOR FILING DATE: 1997-09-18 FRIOR APPLICATION NUMBER: 60/059266 FRIOR APPLICATION NUMBER: 60/063250 FRIOR PELING DATE: 1997-10-17 FRIOR PELING DATE: 1997-10-24 FRIOR PELING DATE: 1997-10-24 FRIOR PELING DATE: 1997-10-24 FRIOR FILING DATE: 1997-10-24	PRIOR FILING DATE: 1997-10-28 PRIOR

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TCCTGAAACTIGTAGATAAAATTIGTTCAACTTGTTTTACATGAAAAGCTGCAAGATGCTGT TCCTGAAACTTGTAGATTGTTCAACTTGTTTTACATGAAAAGCTGCAAGATGCTGT AGGACCCCCTAAAGTAGATCGTTCAACTTGTTTTACATGAAAAACTGCAAGAATGCTGT AGGACCCCCTAAAGTAGATCCTCACTCAGTTAAAAATTAAAAAATCAACAAGAAAC AGACACCTCTAAAGTAGATCCTCACTCAGTTAAAAATTAAAAAAATCAACAAAGAAACCAGAAACAAAAAATTAAAAAAAA	CAGGATCGTTGGACAGAACAGAAGAGGGGTAATGGCCCTGGCAGCTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTGCACCTTTTGCACCTTTTGCACCTTTTGCACCTTTTGCACCTTTTGCACCTTTTTTAAAACTTTTAAAACTTTGCACCAGAAATTAAAACCCAGAAAATGAAAAATTAAAAACTTTGCACTGCACTTTTTTAAAACTTTGCACCAGAAATTAAAACTTTGCACCAGAAAAAAAA	1021   ACABGEAGAGGTGACTCTCATAGAGGTGAAACTTCCAATGAGTGATCATTCAT
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TGCTCACTGTTTTACAACATAAAAACCCTGCCAGATGGACTGCTTCCTTTGGAGTAAC
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GENERAL INFORMATION:
APPLICANT: Raton, Dan L.
APPLICANT: Filvaroff, Ellen,
APPLICANT: Geritsen, Mary E.
APPLICANT: Godwski, Paul J.
APPLICANT: Godwski, Paul J.
APPLICANT: Gramaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
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APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Goddard, Audrey

APPLICANT: Godneski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Gurney, Austin L.

APPLICANT: Watanabe, Colin K.

APPLICANT: Wa
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Best Local Similarity 99.7%;
Matches 1437; Conservative (
                                                                                                                                                           APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
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Publication No. US20
GENERAL INFORMATION:
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US-10-063-513-105
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APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILLS REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/063,549
CURRENT FILLING DATE: 2002-05-02
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 170
SEQ ID NO 105
LENGTH: 2103
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Matches 1437; Conservative
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; ORGANISM: Homo Sapien
US-10-063-549-105
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δλ	862	ACACCCATCACATGACTATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC	921
qa	841	ACACCCATCACATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC	006
δλ	922	AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTCAACCAGGTGATGT	981
qq	106	AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTCAACCAGGTGATGT	096
λ	982	GATGITTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG	1041
Db	961	GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCGTCTCG	1020
70	1042	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAATGAACCTCAAGCTTACAATGA	1101
Db	1021	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAATGAACCTCAAGCTTAACAATGA	1080
ογ	1102	CGCCATAACTCCTAGAATGTTATGTGCTGGCTCCTTAGAAGGAAAAACAGATGCATGC	1161
qq	1081	CGCCATAACTCCTAGAATGTTATGTGCTGGCTCCTTAGAAGGAAAAAAGGATGCATGC	1140
Š	1162	GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGCTGG	1221
Db	1141	GGGTGACTCTGGGGGGACCACTGGTTCAGATGCTAGAGATATCTGGTACCTTGCTGG	1200
δ	1222	AATAGTGAGCTCGGGAGATGAATGTGCGAAACCCAACAAGAGCCTGGTGTTTATACTAGAGT	1281
Db	1201	ATAGTGAGCTGGGGAGATGAATGTGCGAAACCCAACAAGCCTGGTTTTTTACTAGAGT	1260
λ̈	1282	TACGGCCTTGCGGGACTGGATTACTTCAAAAACTGGTATCTAAGAGAGAAAAGCCTCATG	1341
qq	1261	TACGGCCTTGCGGGACTGCGTTCAAAAACTGGTATCTAAGAGACAAAAGCCTCATG	1320
ò	1342	GAACAGATAACATTTTTTTTTTTTTTGGGTGTGTGGAGGCCATTTTTAGAGATACAGAAT	1401
Db	1321	GAACAGATATTTTTTTTTTTTTTGGGTGTGGAGGCCATTTTTAGAGATACAGAAT	1380
δy	1402	TGGAGAAGACTTGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGCTTGATGC	1461
Db	1381	TGGAGAAGACTTGCCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGCTTGATGC	1440
λ	1462	A 1462	
Db	1441	A 1441	

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Sequence 40, Appl
Sequence 145, App
Sequence 268, App
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(gnz_6/ptodata/2/pubpna/USO7_PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/USO7_NEW_PUB.seq:*
(cgnz_6/ptodata/2/pubpna/USO6_NEW_PUB.seq:*
(cgnz_6/ptodata/2/pubpna/USO6_PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/USO7_NEW_PUB.seq:*
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US-09-176-214A-40
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US-09-774-268
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GenCore version (c) 1993 - 2004
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US-10-176-748-319
US-10-105-491A-268
US-10-013-907A-268
US-10-187-883-319
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## ALIGNMENTS

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APPLICANT: Edwin L. Madison
APPLICANT: Edwin L. Madison
APPLICANT: Boseph Edward Semple
APPLICANT: Joseph Edward Semple
APPLICANT: George P. Vlasuik
APPLICANT: Scort Jeffrey Kemp
APPLICANT: Mallareddy Komandla
APPLICANT: Mallareddy Komandla
APPLICANT: Daniel Vanna Siev
TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic
TITLE OF INVENTION: Thereof
FILE REFERENCE: 24745-1611
CURRENT APPLICATION NUMBER: US/10/156,214A
CURRENT FILING DATE: 2002-05-23
MUMBER OF SEQ ID NOS: 611
SOFTWARE: FastSEQ for Windows Version 4.0
                  ; Sequence 27, Application US/10156214A; Publication No. US20040001801A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , LOCATION: (56)...(1324)
, CTHER INFORMATION: protease domain
US-10-156-214A-27
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LOCATION: (626)...(1324)
OTHER INFORMATION: DESC1
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-10-156-214A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 27
LENGTH: 1471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
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1 TGACTIGGAIGTAGACCTCGACCTTCACAGGACTCTTCATTGCTGGTTGGCAATGAIGTA

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DB 16; Length 1471;

Score 1469.8; Pred. No. 0; 3; Mismatches

99.9%; 99.8%;

Query Match Best Local Similarity 99.8 Matches 1468; Conservative

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1081	1201 AGAITATCIGGTACCTIGCTGGAATAGTGAGCTGGGGGAAATGAGTGGGGGAGATGAGTGAG	1261 GCCIGGIGITIALACAGAGITIACGGCCTIGCGGGACTIGGATIACTICAAAAACTGGTAT  1261 GCCTGGTGTTTATACTAGAGTTACGGCCTTGCGGGACTGGATTACTTCAAAAACTGGTAT  1201 GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		1381 CCATTITTAGAGATACAGAATTGGAGAAGACTTGCAAACAGCTAGATTTGACTGATCTC 144	Db 1441 AATAAACTGTTTGCTTGAAAAAAA 1471	RESULT 2 US-10-156-214A-40 ; Sequence 40, Application US/10156214A	; PUDITCALON NO. USZUWATON: ; APPLICANT: Edwin L. Madison ; APPLICANT: OSeph Beward Semple ; APPLICANT: OSeph Programme Complement	; APPLICANT: Scott Jeffrey Kemp ; APPLICANT: Scott Jeffrey Kemp ; APPLICANT: Mallareddy Komandla ; APPLICANT: Daniel Vanna Siev ; APPLICANT: Daniel Vanna Siev		; CURRENT FILTING DATE: 2002-03-23; NUMBER OF SEQ ID NOS: 611; SOFTWARE: FastSEQ for Windows Version 4.0; SEQ ID NO 40; SEQ ID NO 40;	TYPE: DA.  CRGANISM: Artificial sequence FERTURE:  FRATURE:	Control   Cont	OTHER INFORMATION: PIOUEGESE FEATURE: NAME/KEY: CDS LOCATION: (56)(1324)	99.9%; Score 1469.8; DB 16; Length 1471; arity 99.8%; Pred. No. 0;	Matches 1468; Conservative 3; Mismatches 0; Indels 0; Gaps  1 TGACTIGGATGTAGACCTCGACCTTCACAGCACTCTTCATTGCTGGCAATGATGA 60	1 TGACTTGGATGTGGACCTCGACCTTCACAGGACTCTTCATTGCTGGCAATGATGATA  61 TCGGCCAGATGTGGAGGGCTAGGAAAAGAGTTGTTGGGAACCCTGGGTTATCGGCCT	
	121 CGTCATCTTCATATCCCTGATTGTCCTGGCAGTGTGCATTGGACTCACTGTTCATTATGT 180 121 CGTCATSTTCATATCCCTGATTGTCCTGGCAGTGTGCATTGGASTCACTGTTCATTATGT 180	181 GAGATATAATCAAAAGAAGACCTACAATTACTATAGGACATTGTCATTTACAACTGACAA 240 181 GAGATATAATCAAAAGAAGCCTACAATTACTATAGCACATTGTCATTTACAACTGACAA 240	241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAACAATTTTACAGAATGAGCCAGAGACT 300 	301 TGAATCAATGGTGAAAATGCATTTTATAAATCTCCATTAAGGGAAGAATTTGTCAAGTC 360 	361 TCAGGTTATCAAGTTCAGTCAACAGAAGCATGGAGTGTTGGCTCATATGCTGTTGATTTG 420 	421 TAGATTTCACTCTACTGAGGATCCTGAAACTGTAGATAAAATTGTTCAACTTGTTTTACA 480 	481 TGAAAAGCTGCAAGATGCTGTAGGACCCCCTAAAGTAGATCCTCACTCA	541 AAAAATCAACAAGACAGAACAGCTATCTAAACCATTGCTGCGGAACACGAAGAG 600 	601 TAAAACTCTAGGTCAGAGTCTCAGGATCGTTGGTGGGACAGAAGTAGAAGAGGTGAATG 660 	661 GCCCTGGCAGGCTAGCCTGCAGTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAATTAA	721 IGCCACATGGCTTGTGAGTGCTGCTCACTGTTTTACAACATATAAGAACCCTGCCAGATG 780	781 GACTGCTTCCTTTGGACTAACAATAAAACCTTCGAAAATGAAAAGGGGGTCTCCGGAGAAT 840 	841 AATTGTCCATGAAAATACAAACACCATCACATGACTATGATATTTCTCTTGCAGAGCT 900	901 ITCTAGCCCTGTTCCCTACACAAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTA 960 	961 IGAGTITCAACCAGGIGAIGIGITIGIGACAGGAITIGGAGCACTGAAAAAIGAIGG 1020 	1021 TTACAGTCAAAATCATCTTCGACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAA 1080 	1081 IGAACCTCAAGCTTACAATGACGCCATAACTCCTAGAATGTTATGTGCTGGCTCCTTAGA 1140
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       781 TGGAGTAACAATAAAACCTTCGAAAATGAAACGGGGTCTCCCGGAGAATAATTGTCCATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCATCTTCGACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAATGAACCTCAAGC
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                                                                                                                   973 AGGTGATGTGATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAA
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                                                                              953 AAAATACAAACACCCATCACATGACTATGATATTTTCTCTTGCAGAGCTTTCTAGCCCTGT
                                                                                                                                                                                                                    TCCCTACACAAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTCAACC
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Baton, Dan I.
Ferrara, Napoleone
Fong, Sherman
Gao, Wel-Qiang
Goddard, Audrey,
Godowski, Paul J.
Grimaldi, Christopher J.
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Publication No. US20030073129A1
GENERAL INFORMATION:
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Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Paoni, Nicholas F.
Roy, Margaret Ann
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Hillan, Kenneth J.
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APPLICANT: Botstein, David
APPLICANT: Desnoyers, Inc
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PRIOR APPLICATION NUMBER: 09/606,565
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: 09/606,317
PRIOR FILING DATE: 2000-06-29
PRIOR PLLING DATE: 2000-06-29
PRIOR PLLING DATE: 2000-09-20
PRIOR PRILING DATE: 2000-09-30
PRIOR FILING DATE: 2000-09-30
NUMBER OF SEQ ID NOS: 162
SEQ ID NO 145
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Best Local Similarity 100.
Matches 1450; Conservative
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CORGANISM: Homo sapiens
US-09-796-753-145
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APPLICATION NUMBER: 60/103396
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APPLICATION NUMBER: 60/103401
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FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/101915
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FILING DATE: 1998-09-24
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FILING DATE: 1998-09-29
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FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/101068
FILING DATE: 1998-09-18
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FILING DATE: 1998-09-29
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APPLICATION NUMBER: 60/101071
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FILING DATE: 1998-09-17
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Conservative 0; Mismatches
                                        PRIOR APPLICATION NUMBER: 60/10349
PRIOR FILING DATE: 1938-10-06
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PRIOR APPLICATION NUMBER: 60/10457
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                               FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103449
FILING DATE: 1998-10-06
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Best Local Similarity
Matches 1440; Conserv
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APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.
APPLICANT: Ferrara, Napoleone

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                          721 IGCICACTGITITACAACATATAAGAACCCTGCCAGATGGACTGCTTCCTTTGGAGTAAC
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      TGCTCACTGTTTTACAACATATAAGAACCCTGCCAGATGGACTGCT
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Publication No. US20040029221A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Chen, Jian
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Watanabe, Colin K.
Wood, William I.
Zhang, Zemin
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Gurney, Austin L.
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Goddard, Audrey
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                                                  APPLICANT: Gurmeldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Poly
TITLE OF INVENTION: Acids Encoding the Same
FILE REPRENCE: P2830PLC57
CURRENT APPLICATION NUMBER: US/10/015,395A
CURRENT FILING DATE: 2001-12-12
Prior application removed - See file Wrapper or Pal
                                                                                                                                                                                                                                                                                                                            Score 1439.4;
Pred. No. 0;
0; Mismatches
Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 99.9%;
Matches 1440; Conservative
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US-10-015-395A-268
                                                                                                                                                                                                                                         SEQ ID NO 268
LENGTH: 2103
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APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Lucc
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J.
APPLICANT: Gurney, Austin L.
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            CURRENT APPLICATION NOMBER: US/10/200,315
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 10/05286
PRIOR PILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/05926
PRIOR PILING DATE: 1997-09-18
PRIOR PILING DATE: 1997-09-18
PRIOR PILING DATE: 1997-09-18
PRIOR PILING DATE: 1997-09-18
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-24
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PRIOR APPLICATION NUMBER: 60/063121
PRIOR PILING DATE: 1997-10-24
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PRIOR APPLICATION NUMBER: 60/063541
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CURRENT APPLICATION NUMBER: US/10/206,915 CURRENT FILING DATE: 2002-07-26
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Matches 1440; Conservative
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US-10-206-915-319
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US-10-201-858-319
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                        APPLICANT: Watanabe, Collin K.
APPLICANT: Watanabe, Collin K.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zendin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: PASTORICALI
CURRENT APPLICATION NUMBER: US/10/199, 670
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-24
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PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Prior Application data removed - See File Wrapper or NUMBER OF SEQ ID NOS: 612
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| PULICATION NO. USZUGAOJ49337A1
| GENERAL INPORMATION:
| APPLICANT: Basker, Kevin P. APPLICANT: Chen, Jian
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| APPLICANT: Chen, Jian
| APPLICANT: Goddaski, Paul J. APPLICANT: Goddaski, Paul J. APPLICANT: Goddaski, Paul J. APPLICANT: Smith, Victoria
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| TITLE OF INVENTION: SECRETE 10/0207623 |
| PRIOR PLING DATE: 2002-01-15 |
| PRIOR APPLICANTON NUMBER: 60/063263 |
| PRIOR APPLICANTON NUMBER: 60/063263 |
| PRIOR PLING DATE: 1997-09-18 |
| PRIOR FILING DATE: 1997-09-18 |
| PRIOR FILING DATE: 1997-09-18 |
| PRIOR FILING DATE: 1997-10-24 |
| PRIOR APPLICANTON NUMBER: 60/06310 |
| PRIOR APPLICANTON NUMBER: 60/06310 |
| PRIOR APPLICANTON NUMBER: 60/06340 |
| PRIOR APPLICANTON NUMBER: 60/063540 |
| PRIOR PRIOR DATE: 1997-10-28 |
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                                         241 AGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAAAAATGC
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APPLICANT: Zhang, Zemin
I. APPLICANT: Zhang, Zemin
I. APPLICANT: Zhang, Zemin
I. APPLICANT: Zhang, Zemin
I. TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2430R1C519
CURRENT PAPLICATION NUMBER: US/10/205,890
CURRENT FILING DATE: 2002-07-26
PRIOR APPLICATION NUMBER: 60/059263
PRIOR PILING DATE: 1997-09-18
PRIOR FILING DATE: 1997-00-16
PRIOR PELICATION NUMBER: 60/063120
PRIOR PELICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-17
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Pred. No. 0;
0; Mismatches
                                                                                                                                                    Sequence 319, Application US/10205890
Publication No. US20040048334A1
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Wood, William I.
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Gurney, Austin L.
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Best Local Similarity 99.9
Matches 1440; Conservative
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Smith, Victoria
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Goddard, Audrey
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APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
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ORGANISM: Homo Sapien
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1342   GAACAGATAACATTTTTTTTTTTTTTTTTTGGGTGTGGAGGCCATTTTTTGGAGATACAGAAT 1401	SEQUENCE 139, Application US/10208024 SEQUENCE 139, Application US/10208024 SEQUENCE 139, Application US/10208024 SERVICATION OF US US US US US US US US US US US US US

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	262 241 241 322 301	Qy         382 ACAGAAGCATGGAGTGTTGGCTCATATGCTGTTTTTTTAGATTTCACTCTAGAGGA 441           Db         361 ACAGAAGCATGGAGTGTTGGCTCATATGCTGTTTTGTAGATTTCACTCTAGAGGA 420           Qy         442 TCCTGAAACTGTTAAAATTGTTCAACTTGTTTTACATGAAAAGCTGCAAGATGCTGT 501           Db         421 TCCTGAAACTGTAGATAAAATTGTTCAACTTGTTTTACATGAAAAGCTGCAAGATGCTGT 501	502 AG 481 AG 562 AG	622 601 682 682	742 721 802 781	OY 862 ACACCCATCACATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCTACAC 921  Db 841 ACACCCATCACATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCTACAC  OY 922 AAATGCAGTACATAGATTTGTCTCCCTGATGCATTCAACCAGGAGATGT  Db 901 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATTCAATGAGTTTCAACCAGGAGATGT  Db 901 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATTCAACAGGAGATGT  Db 901 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCTATGAGTTTCAACCAGGTGATGT 960	OY 982 GAIGITIGIGACAGAITIGGAGCACTGAAAAIGATACAGTAAAATCTTTCG 1041
OY 1222 AATAGTGAGCTGGGGAATGAATGTGCGAAACCCAACAAGCCTGGTGTTATACTAGAGT 1281  Db 1201 AATAGTGAGCTGGGGAATGAATGTGCGAAACCCAACAGCCTGGTGTTTATACTAGAGT 1280  Qy 1282 TACGGCCTTGCGGAATGATTACTTCAAAAACTGGTATTTATACTAGAGT 1260  Qy 1282 TACGGCCTTGCGGACTGGATTACTTCAAAAACTGGTATTTATAGAGAAAAGCCTCATG 1341  Db 1261 TACGGCCTTGCGGAATGATTACTTTATGTATTTTAGAGACAAAAAGCCTCATG 1340  Qy 1342 GAACAGATAACATTTTTTTTTTGTTTTTTTGGGTGTGGAAGCCAATATTTAGAGAAATGCAAATACAGAAA 1380  Qy 1402 TGGAGAAGAATTTTTTTTTTTTTTTTTTTTTTTTTTTT	Oy 1462 A 1462  Db 1441 A 1441  RESULT 11  US-10-201-853-319 US-10-201-853-319	GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Chen, Jian APPLICANT: Chen, Jian APPLICANT: Goddard, Audrey APPLICANT: Goddard, Audrey APPLICANT: Goddard, Audrey APPLICANT: Goddard, Audrey APPLICANT: Goddard, Audrey	4.	; FILE REFERENCE: P3430RLC465 ; CURRENT APPLICATION NUMBER: US/10/201,853 ; CURRENT FILING DATE: 2002-07-23 ; PRIOR APPLICATION NUMBER: 10/05286 ; PRIOR FILING DATE: 2002-01-15 ; PRIOR FILING DATE: 1997-09-18 ; PRIOR FILING DATE: 1997-09-18 ; PRIOR PLICATION NUMBER: 60/059266 ; PRIOR PLICATION NUMBER: 60/059266	PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR	PRIOR APPLICATION NUMBER: 60/063540  PRIOR FILING DATE: 1997-10-28  PRIOR PELING DATE: 1997-10-28  PRIOR PILING DATE: 1997-10-28  PRIOR PILING DATE: 1997-10-28  PRIOR APPLICATION NUMBER: 60/063544  PRIOR FILING DATE: 1997-10-28  PRIOR PILING DATE: 1997-10-28  NUMBER OF SEO ID NOS: 612	) SEQ ID NO 319 ) INGRAFI: 2103 ; TYPE: DNA ; ORGANISM: Homo Sapien US-10-201-853-319 Query Match Best Local Similarity 99.9%; Score 1439.4; DB 13; Length 2103; Rest Local Similarity 99.9%; Pred. No. 0; Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

	682 GIGGGATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA
5	6 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B
1002   CGCCATAACTCCTAGAATGTTATGTGCTGGCTCCTTAGAAGGAAAACAGATGCATGC	SULT 12  10-063-745-105  Sequence 105, Application US/10063745  Publication No US20040058411A1  APPLICANT: Eaton, Dan L.  APPLICANT: Eaton, Dan L.  APPLICANT: Goddard Audrey  APPLICAN

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1326  TACOGCCTTOCOGGACCTGGATTACTTCAAAACTGGTACTTAAAACCTGCTATTAAAACCTGCTATTACTGATTCAAAACCTGCTATTACTGATTCAAAACCTCTATTACTGATTCAAAACCTCTATTACTGATTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAAACCTCTAATACTTTCAAAACCTCTAATACTTTCAAAACCTCTAATACTTCAAAACCTCTAAAACCTCTAATACTTCAAAACCTTCAAAACCTCTAATACTTCAAAACCTTCAAAACCTCTAATACTCTAATACTCTAAAACCTTCAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAACCTCTAAAAACCTCTAAAACCTCTAAAAACCTCTAAAACCTCTAAAAACCTCTAAAAACCTCTAAAAACCTCTAAAAACCTCTAAAACCTCTAAAAACCTAAAAAA

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1021 ACAAGCACAGGGACTCTCATAGACGCTACAACTTGCAATGAACTCAAGCTTACAATGA
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Publication No. US20030027986Al
GENERAL INFORMATION:
APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff Ellen
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Gramaldi, Cristopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
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                       RESULT 14
US-10-063-513-105
is Sequence 105, Application US/10063513
is Publication No. US20030018172A1
is GENERAL INFORMATION:
APPLICANT: Eaton,Dan L.
APPLICANT: Eaton,Dan L.
APPLICANT: Gerritsen,Mary E.
APPLICANT: Gedarach,Audrey
APPLICANT: Grimaldi,Christopher J.
APPLICANT: Grimaldi,Christopher J.
APPLICANT: Grimaldi,Christopher J.
APPLICANT: Good,William I.
APPLICANT: Wood,William I.
APPLICANT: Wood,William I.
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
ITILE OF INVENTION: GRIDS ENCODING THE SAME
FILE REFERENCE: P3230RLC1
CURRENT APPLICATION NUMBER: US/10/063,513
CURRENT APPLICATION TEMOVED SECRETED
NUMBER: 2002-05-01
NUMBER: OF SEQ ID NOS: 170
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Pred. No. 0;
0; Mismatches 1; Indels 0:
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Best Local Similarity 99.9%;
Matches 1440; Conservative (
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                                                 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTTCAACCAGGTGATGT
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Job time : 664.5 secs
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     TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REPERRENCE: P3230ALC1
CURRENT APPLICATION NUMBER: US/10/063,549
CURRENT FILING DATE: 2002-05-02
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 170
SEQ ID NO 105
LENGTH: 2103
                                                                                                                                                                                                            CCTTCACAGGACTCTTCATTGCTGGTTGGCAATGATGTATCGGCCAGATGTGGTGAGGGC
                                                                                                                                                                                        Gaps
                                                                                                                                                                Length 2103;
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Pred. No. 0;
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Best Local Similarity 99.9
Matches 1440; Conservative
Wood, William I.
                                                                                                                            ; ORGANISM: Homo Sapien
US-10-063-549-105
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